

Title (en)
PNEUMATIC TIRES

Publication
EP 0329591 A3 19900808 (EN)

Application
EP 89630031 A 19890217

Priority
US 15662488 A 19880217

Abstract (en)
[origin: EP0329591A2] A pneumatic tire (10) has adjacent carcass plies (13,14,15) which were reinforced by cables comprising aramid filaments. The amount of strength retained by the cables over a period of normal use of the tire is increased when for each pair of adjacent carcass plies: (a) the cables of the radially innermost of said carcass plies intersect the mid-circumferential plane (CP) of the tire at a first angle in the range of 75 DEG to 105 DEG and the cables of the radially outermost of said carcass plies intersect the mid-circumferential centerplane (CP) at a second angle in the range of 75 DEG to 105 DEG ; (b) said second angle is nearer to 90 DEG than said first angle; and (c) the included angle between said first and second angles is not greater than 10 DEG .

IPC 1-7
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IPC 8 full level
B60C 9/06 (2006.01); **B60C 9/08** (2006.01); **B60C 15/00** (2006.01); **B60C 19/00** (2006.01)

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B60C 9/04 (2013.01 - KR); **B60C 9/06** (2013.01 - EP US); **B60C 9/08** (2013.01 - EP US); **B60C 15/0018** (2013.01 - EP); **B60C 15/0072** (2013.01 - EP US); **B60C 2200/02** (2013.01 - EP US); **Y10T 152/10855** (2015.01 - EP US)

Citation (search report)
• [XP] EP 0296093 A1 19881221 - GOODYEAR TIRE & RUBBER [US]
• [X] EP 0172294 A1 19860226 - GOODYEAR TIRE & RUBBER [US]
• [A] EP 0174147 A2 19860312 - SUMITOMO RUBBER IND [JP]
• [A] US 4469157 A 19840904 - MORIKAWA TSUNEO [JP], et al
• [A] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 326 (M-532)[2382], 6th November 1986; & JP-A-61 132 403 (YOKOHAMA RUBBER CO. LTD) 19-06-1986

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